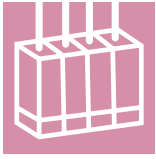




... a link to the future



Product Information

OV 77 A DVB-S - PAL „FTA“ stereo channel processor CI



WISI TOPLINE HEADEND

- ⊕ Reception of a DVB-S satellite signal and processing in a PAL / SECAM / NTSC-M TV channel
- ⊕ Demultiplexing and decoding of MPEG-2 signals
- ⊕ Common Interface
- ⊕ Insert of teletext datas
- ⊕ Spurious emissions > 60 dB
- ⊕ OV 50A controlling via OV 51A HEADEND controller or OV 52 Remote-Interface
- ⊕ Option: NICAM (OV 65) module and AV-Loop (OV 66) module

OV 77 A DVB-S to PAL stereo channel processor CI

Specification

Input

Frequency range	1 MHz steps	950 - 2150 MHz
Input level		47 - 70 dB μ V
Type of modulation		QPSK
Symbol rate (adjustable)		2 - 45 MS/s
Filtering / Roll off		Nyquist $\sqrt{\cos}$ / 35 %
FEC inner code	Conv., K=7, R=1/2, 2/3, 3/4, 4/5, 5/6, 7/8	
Spectral inversion		C- / KU-Band
Interleaving		Conv., I=12
FEC outer code		Reed Solomon (204,188)
Video decoder		ISO 13818-2/ MPEG2 (MP@ML)
Video format		4:3 / 16:9 / 4:3 Zoom
Video standard		PAL / SECAM / NTSC-M
Video level		1 Vp-p / 75 ohm
Audio decoder		ISO 13818-3/ MPEG2 (L1/L2)
Audio format		Mono / Stereo / 2nd sc
Audio standard		PAL / SECAM / NTSC-M
Audio level		0.2 Veff@ 10 kOhm

Output

Frequency	250 kHz steps	45 - 862 MHz
Channel bandwidth		7/8 MHz
Output level	Loop	74 - 84 dB μ V
	Single	84 - 94 dB μ V
TV standards		B/G, D/K, I, L, M, N
Spurious emissions		> 60 dB
S/N video (CCIR-rec. 567-1)		typ 60 dB, min. >56 dB
S/N audio (with color test pattern)		typ 50 dB, min. 47 dB
Distorsion		1 %

General

Operating voltage	12 VDC 600 mA
	5 VDC 530 mA
Power consumption	< 9 W
Humidity non condensing, max.	95%
Operating temperature	-20°C...+55°C
Storage temperature	-25°C...+75°C
EMC	CE, Class A

Accessory

NICAM module	OV 65
AV Loop module (decoder module)	OV 66



WISI Communications GmbH & Co. KG
 Empfangs- und Verteiltechnik
 P.O. BOX 1220
 75219 Niefern-Oeschelbronn, GERMANY
 Phone +49(0)7233/66-280
 Fax +49(0)7233/66-350
 www.wisi.de
 export@wisi.de

Technical Modifications reserved. WISI cannot be held liable for any printing error!
 083 893 / 09.06

... a link to the future